

3.10 FIXED OBJECT INVOLVEMENT

This section presents a series of data displays which describe fixed object involvement in Missouri's traffic crash experience. Fixed object traffic crashes are defined as any traffic crash whose first harmful event involves a motor vehicle striking a fixed object. Crashes where a motor vehicle struck a fixed object as a result of a secondary event in a crash are not included in this analysis. Data displays also are presented which identify characteristics of the vehicle and driver striking the fixed object in the first harmful event.

2000 SUMMARY ANALYSIS

- Of all Missouri traffic crashes, 16.2% involved a fixed object being struck as part of the first harmful event. Of all fatal traffic crashes, 33.8% involved a fixed object. A total of 372 persons were killed and 14,002 were injured in fixed object crashes.
- There was an increase of 6.0% in the rate of change when comparing all 2000 fixed object related traffic crash activity with that in 1999. However, when examining fatal fixed object crashes, the rate of change decreased by 6.2%.
- In 2000, one person was killed or injured in a fixed object crash every 36.7 minutes in the State of Missouri.
- Of all fixed object traffic crashes, 42.5% occurred in an urban area and 57.5% occurred in a rural area of the State. Of the fatal fixed object crashes, 83.0% occurred in a rural area.
- Of all fixed object crashes, 31.2% occurred on a curve and 40.0% occurred on a hill or crest of a hill.
- In 25.0% of the cases, an embankment, culvert, or ditch was the type of object struck. In 10.9% of the incidents, a tree was struck.
- Of the vehicles striking the fixed object, 59.6% were automobiles and 19.6% were pickup trucks.
- Of the drivers striking fixed objects, 68.4% were male and 31.6% were female. The average age of the driver was 32.3 years.
- Of the drivers striking fixed objects, 82.5% had a Missouri driver's license, 12.6% had an out-of-state driver's license, and 4.9% were unlicensed.

2000 MISSOURI TRAFFIC CRASHES
FIXED OBJECT INVOLVEMENT

FIXED OBJECT INVOLVED	PERSONAL INJURY						PROPERTY DAMAGE						DRIVERS/PASSENGERS OF VEHICLES STRIKING FIXED OBJECTS ¹					
	FATAL	%	%	PERSONAL INJURY	PROPERTY DAMAGE	%	TOTAL	%	KILLED	INJURED	TOTAL NUMBER ¹	% KILLED	DRIVERS	PASSENGERS	OF VEHICLES STRIKING FIXED OBJECTS ²			
FIXED OBJECT INVOLVED	335	33.8	10,348	20.8	20,746	14.5	31,429	16.2	372	14,002	367	367	13,778					
NO FIXED OBJECT INVOLVED	656	66.2	39,367	79.2	122,326	85.5	162,349	83.8	785	62,326	-	-	-					
TOTAL	991	100.0	49,715	100.0	143,072	100.0	193,778	100.0	1,157	76,328	367	367	13,778					

¹This statistic indicates the total number of persons killed and injured in a crash where a fixed object was struck during the first harmful event in a crash.

²This statistic indicates the number of drivers and passengers of vehicles striking fixed objects during the first harmful event in a crash who were killed and injured.

TABLE 3.10.1